

CLAIMS:

1. Pivoting sliding door for vehicles, particularly rail vehicles or lift cabins, having at least one door wing (3) which, in the closed position, is arranged in the vehicle wall and which, in the open position, is arranged on the exterior side (A) in front of the vehicle wall and in the process leaves a door opening free, driving devices (2) as well as transversal guiding devices (4, 5) and longitudinal guiding devices (7) being provided which permit a movement of the at least one door wing (3) transversely to the vehicle wall and along the vehicle wall, the longitudinal guiding devices moving by means of the transversal guiding devices in the transverse direction, the door, in the closed position, being locked by a pivoting part which engages in a guide, characterized in that the pivoting part (10) has a guiding part (11) which interacts with a guide (12), and in that the guide (12), in the area in which the pivoting part (10) in the closed position of the door interacts with it, has a circular arc section (12c) around the momentary position of the axis of rotation (9) of the pivoting part (10).

2. Pivoting sliding door according to Claim 1, characterized in that the guide, in the section (12a) in which the pivoting part (10) interacts with it when the pivoting part is outside the closed position of the door, extends in a straight line.

3. Pivoting sliding door according to Claim 1 or 2, characterized in that, in the closed position of the door, the guiding part (11) of the pivoting part (10) is positioned at a distance from the transition point (18) connecting the two guiding sections (12a, 12b).

4. Pivoting sliding part according to one of the preceding claims, characterized in that the pivoting part (10) is rotatably about the axis of rotation (9) arranged on a carriage (4) carrying out the transversal movement.

5. Pivoting sliding part according to Claim 4, characterized in that the pivoting part (10) is pivoted about its axis of rotation (9) by the moment of reaction of the driving motor acting upon the longitudinal guiding device and arranged on the carriage.

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